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U.S. Patent Application Serial No. 09/977,985, entitled "TRUTH TABLE CANDIDATE REDUCTION METHOD FOR CELLULAR AUTOMATA BASED RANDOM NUMBER GENERATORS" (Attorney Docket No. 100110346-1) '

Please replace the paragraph on page 1, line 16, with the following paragraph:

'This invention relates generally to random number generation. More specifically, this nvention relates to systems and methods to generate cellular automata based number generators (CA-based RNGs).'

Please replace the paragraph beginning at page 9, line 13 with the following rewritten paragraph:

'Note that the method 300 is only an exemplary method to generate CA-based RNGs. The steps outlined may be performed in different order, modified, or deleted, or other steps may be added. For example, Fig. 3B illustrates a second method 300-2 to generate CA-based RNGs. An important aspect of the methods is that either method 300 or 300-2 is capable of exhaustively considering CA-based RNG for any given topology. In addition, either method is also capable of exhaustively considering interconnection topologies for a given neighborhood size N.'

In the claims:

Please amend claim 4, 5, 6, 7, and 15 as follows: